Knifefish

Mine Warfare with Modernized Underwater Mine Hunting Capability

KNIFEFISH
U.S. Navy Surface Mine Countermeasure (SMCM) Unmanned Undersea Vehicle (UUV)

KEEPING SAILORS OUT OF THE MINEFIELD

EXTENDED MISSIONS
Long Range Detection in a High Clutter Environment of Volume/Bottom and Buried Mines

MODULAR MISSION PACKAGE
for Littoral Combat Ship and Beyond

OPERABLE FROM VESSEL OF OPPORTUNITY

Detects, classifies and identifies volume, proud and buried mines in high-clutter underwater environments

Allows "plug and play" integration with ship systems and mission modules

Integrates into multiple ship types

Provides intelligence support for other mine warfare systems

Enables rapid mission turnaround time

Knifefish is a medium-class Mine Countermeasure (MCM) Unmanned Undersea Vehicle (UUV) that is designed for deployment from the Littoral Combat Ship (LCS) to detect, identify, and counter mine threats. It reduces risk to personnel by operating in the minefield as an off-board sensor while the host ship remains safely outside the minefield.

The SMCM UUV provides the fleet mine warfare commander enhanced mine-hunting capability by detecting, classifying and identifying buried mines and mines in high clutter environments. Knifefish also gathers environmental data to provide intelligence support for other mine warfare systems.

A critical element of the LCS MCM mission package, Knifefish's common open systems architecture design and modularity allow for platform flexibility and quick reconfiguration of the mission package in response to evolving and dynamic mission requirements the fleet may encounter day-to-day.